

## Claims

- [c1] 1. A method of determining tag binary identifications, which comprising:
  - (a) a reader sending an index signal;
  - (b) the reader receiving a tag responsive signal associated with the index signal;
  - (c) the reader reads a tag identification based on the tag responsive signal;
  - (d) the reader sending an acknowledgement to the tag; and
  - (e) the tag returning a returned-acknowledgement to the reader.
- [c2] 2The method of claim 1, wherein the acknowledgement makes the tag does not respond again until the reader is reset.
- [c3] 3. The method of claim 2, further comprising:
  - (f) resending the index signal after the returned-acknowledgement is received; and
  - (g) steps (c)~(e) are repeated if the tag responsive signal associated with the index signal is received.
- [c4] 4. The method of claim 1, wherein step (e) comprises:

determining the tag identifications is correct if the returned-acknowledgement is received in a pre-determined time; and

determining the tag identification is incorrect if the returned-acknowledgement is not received in the pre-determined time.

- [c5] 5. The method of claim 1, wherein the tag identification is obtained from contents of the responsive signal.